In re Patent Application of:
OLSSON ET AL.
Serial No. **09/147,230**
Filed: **2/9/99**

where N is the number of active carriers and $(X_{n,k})(Y_{n,k})$ is the unwrapped argument function for the nth carrier in the kth frame. --

Replace the paragraph beginning at page 6, line 4 through page 6, line 9, with the following rewritten paragraph:

-- Said slope of said argument function, α_k, may be estimated from the equation

$$\alpha_k = \frac{2}{n_2 - n_0}\left[\sum_{n=n_1+1}^{n_2} L(X_{n,k})/(Y_{n,k}) - \sum_{n=n_0}^{n_1} L(X_{n,k})(Y_{n,k})\right]$$

where N is the number of active carriers, $(X_{n,k})(Y_{n,k})$ is the unwrapped argument function for the nth active carrier in the kth frame, indices n_0 and n_2 are the lower and upper limits respectively of the band and index n_1 divides the band into two equal parts. --

Replace the paragraph beginning at page 8, line 3 through page 8, line 7, with the following rewritten paragraph:

Said slope of said argument function, α_k, may be estimated from the equation

$$\alpha_k = \frac{1}{N}\sum_n L\frac{(X_{n,k})(Y_{n,k})}{n}$$

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where N is the number of active carriers and $(X_{n,k})$ $(Y_{n,k})$ is the unwrapped argument function for the nth carrier in the kth frame. --

Replace the paragraph beginning at page 8, line 8 through page 8, line 13, with the following rewritten paragraph:

-- Said slope of said argument function, α_k, may be estimated from the equation

$$\alpha_k = \frac{2}{n_2 - n_0}\left[\sum_{n=n_1+1}^{n_2} L(X_{n,k})/(Y_{n,k}) - \sum_{n=n_0}^{n_1} L(X_{n,k})(Y_{n,k})\right]$$

where N is the number of active carriers, $(X_{n,k})$ $(Y_{n,k})$ is the unwrapped argument function for the nth active carrier in the kth frame, indices n_0 and n_2 are the lower and upper limits respectively of the band and index n_1 divides the band into two equal parts. --

Paragraph beginning at page 11, line 19 through page 12, line 4, has been amended as follows:

-- The average slope, α_k, of the linear part of the argument function can be calculated, as shown in equation (1), or by some other standard method, using the unwrapped argument function of X_k for the kth frame

$$\alpha_k = \frac{1}{N}\sum_{n} L\frac{(X_{n,k})(Y_{n,k})}{n} \quad \text{.....(1)}$$